METHODS, APPARATUS AND COMPUTER PROGRAM
PRODUCTS FOR FORMULATING CULTURE MEDIA

Abstract of the Disclosure

5   Methods, apparatus and computer program products are provided for identifying a component of culture medium based on the parameters (*e.g*, physical, chemical, biological and/or topological characteristics) of compounds from within a compound library. In preferred embodiments, the compound library is a peptide library. Also provided are methods of selecting a compound library

10   from a larger compound space based on whole molecule (*i.e.*, global) parameters of the compounds. Preferably, this method is practiced in conjunction with a method of identifying a component of a culture medium. Further provided are methods of predicting a biological activity of a peptide based on at least one whole molecule parameter of the peptide. This method finds use in methods of

15   drug discovery, identifying components of culture medium, and identifying and/or designing peptides with particular pharmacological or therapeutic activities.